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EXERCISE DESERT ROCK LAS VEGAS NV

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EXERCISE DESERT ROCK VII AND VIII, OPERATION ORDER NUMBER 11. A--ETC(U)

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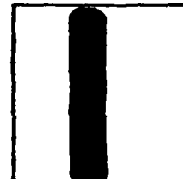
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Camp DESERT ROCK, Nevada
Operation Order 11
DOCUMENT IDENTIFICATION

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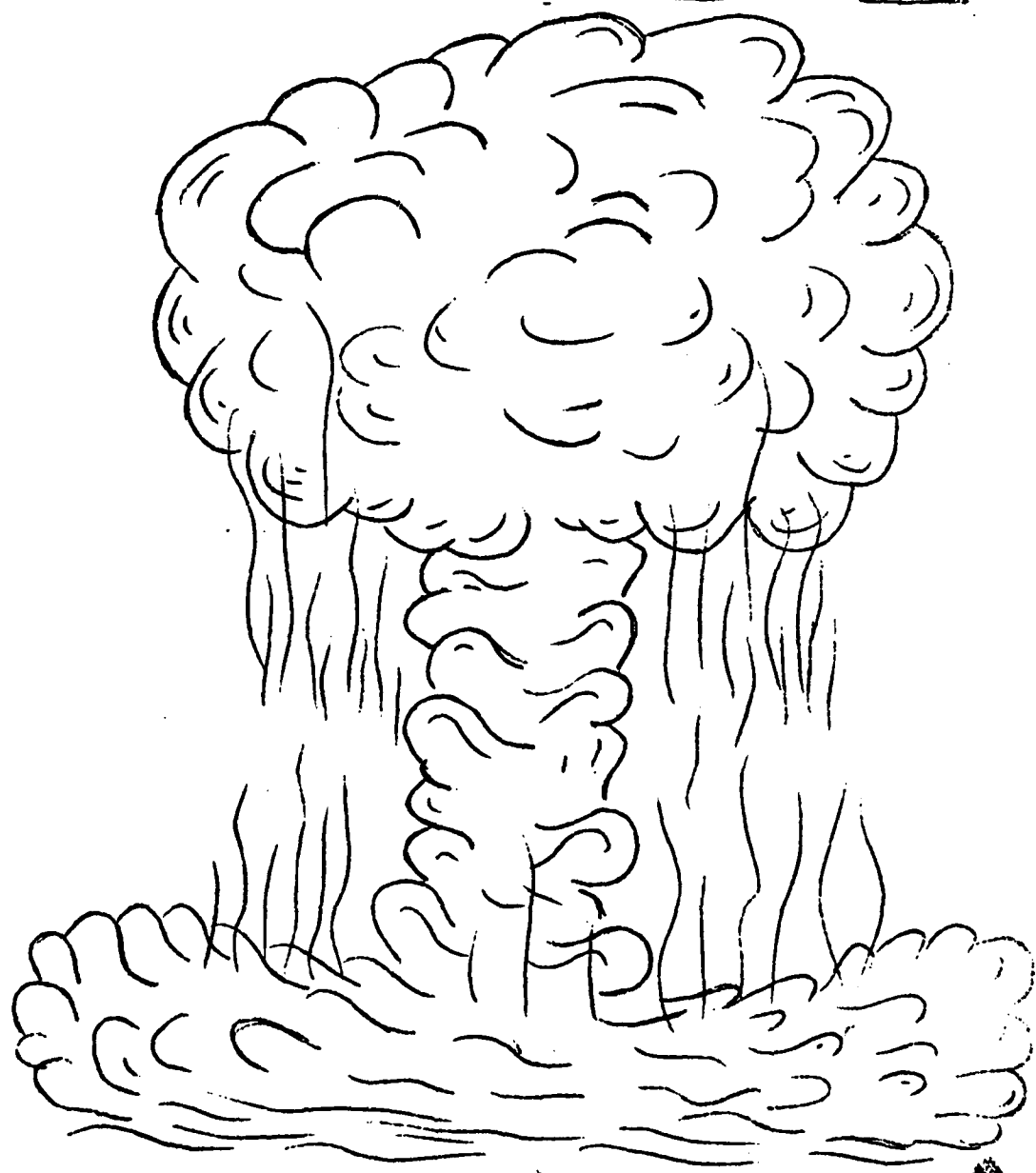
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Desert Rock VII & VII

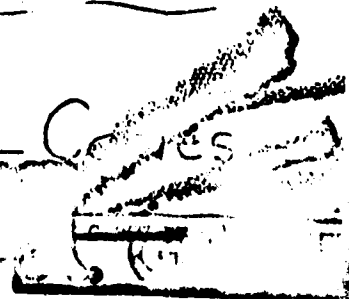


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Hq, Exercise Desert Rock VII and VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Operation Order 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

Time Zone: Pacific Daylight Time

Task Organization: Annex A, Task Organization.

1. SITUATION.--The Atomic Energy Commission detonates an atomic rocket device (JOHN), a high air burst, at H-hour on D-day. This shot will be observed by approximately 200 observers located in vicinity coordinates 882085 with six Air Defence Command observers located at ground zero. Signal, Artillery and Air Force radar sets will be operated. There will be no project monitoring in the ground zero area.

2. MISSION.--Hq, Exercise Desert Rock VII and VIII supervises and coordinates Desert Rock Army, and Air Force participation in shot JOHN in the YUCCA FLAT area in the NEVADA TEST SITE commencing at H-hour on D-day to:

a. Indoctrinate selected observers in effects of atomic weapons (Project personnel, selected personnel from CAMP DESERT ROCK, and US Air Force participants).

b. Track the movement of radioactive clouds, determine the height of the clouds, and investigate the feasibility of special and standardized Army radar equipment for such use, (Project 50.3).

c. Determine the organization, equipment, and weather data required by US Army units to predict and monitor radiological fallout (Project 50.8).

3. EXECUTION.

a. Concept of operation.--Personnel from CAMP DESERT ROCK, selected US Air Force personnel, and Project 53.3 will observe shot JOHN from a safe position in YUCCA FLAT (Annex B, Opn Overlay). Projects 50.3 and 50.8 will operate radar equipment from approved sites. Certain selected US Army and US Air Force personnel will observe shot from vicinity of ground zero.

b. 50th Chemical Platoon.--Provide rad-safety support as required.

c. Co B, 84th Engr Bn (Reinf).--Provide Engineer support as required.

d. Unit, 8th Field Hospital.--Provide medical support as required. (Annex E, medical).

e. 293d MP Co (-).--Provide traffic control as required. (Annex D, Provost Marshal).

f. 526th Ord Co (HAM) (-).--Provide Ordnance support as required.

g. 232d Signal Co.--Provide Signal support as required. (Annex E, Signal).

h. 26th TC Bn.--Provide transportation support as required. Annex G, Transportation.

i. Project 50.3.--Operate radar equipment from approved site; only that equipment approved and operated during power dry run with rocket rehearsals will be used in D-day test; all other will be completely secured.

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Operatic order 11, Cont'd.

REF ID: A73-83
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j. Project 50.8.--Emplace and operate radar equipment, sound and flash equipment, meteorological stations, and observation posts from approved sites; only that equipment approved and operated during power dry run with rocket rehearsals will be used in D-day test; all other equipment will be completely secured.

k. Desert Rock Aviation Section.--Provide Two L-20 aircraft on ground alert at the Desert Rock air strip for air evacuation of casualties to the Nellis Air Force Base Hospital. (Annex D, Medical)

1. Coordinating instructions.

- (1) H-hour is 0700 hours.
- (2) Unit commanders will insure that all Desert Rock personnel have film badges.
- (3) All personnel will familiar with provisions of the Rad-Safe Program. See Memo Nr 10, this headquarters.
- (4) All selected observers will possess at least a valid CONFIDENTIAL security clearance. Security rosters by vehicle will be prepared by S-3 and certified by S-2 or his representative for presentation to the MERCURY Security Office prior to the scheduled movement. Badged vehicles escort officers will be selected for each vehicle in the movement. Escort officers will load assigned vehicles by roster, red-lining the names of those personnel not present at the entrucking formation. One of two copies of the corrected roster will be handed to a DCD security representative prior to departure from CAMP DESERT ROCK. Upon return after the shot, the second copy will be signed by the escort officer and turned into the S-3 office for file.
- (5) Vehicle escort officers will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.
- (6) All personnel will be informed that two minutes prior to H-hour a 10-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.
- (7) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.
- (8) Radio silence will be maintained and all gasoline engines turned off from shot time minus 15 minutes until shot time plus 5 minutes, during which time all radio stations will continue to monitor their nets on battery-powered radio silence. Only messages that justify delay of shot will be transmitted during this period.
- (9) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex H, Evacuation Plan.
- (10) Any damage inflicted on experimental equipment in the test site will be reported to the Control Group Commander immediately.
- (11) The six ADC observers to be located in vicinity of ground zero will be escorted into position by a Rad-Safe Signal team who will insure that communications and rad-safe equipment are operating properly and that the observers are familiar with the operating procedures. All Camp Desert Rock personnel will then return to observation area (vicinity 882085) not later than H-30 minutes. The Air Force will have a balloon in the air at the approximate ground zero. Balloon will be extended by a thin cable for five thousand feet (5000') in the air. The six ADC observers located in the ground zero area will be positioned so that in the event the cable breaks it will not fall on the observers position. Rotary Wing Aircraft operating for Project 50.8 will not enter the balloon or cable area.

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25 JUL 57

Operatic Order 11, Cont'd.

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4. ADMINISTRATION AND LOGISTICS.

a. Administration.

(1) Current administrative instruction apply.

(2) Uniform and equipment.

Fatigues	Pistol belt
Combat boots	Canteens w/cup and cover
Steel helmets	First-aid packet and pouch
Field Jackets (if required)	Special equipment as required

(3) Hot coffee will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics.

(1) Medical.—Aid station be established at observer area. Annex C, Medical.

(2) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by the Transportation Officer. S-3 will prepare observer rosters.

(b) Vehicles will be marked on the right front windshield with a number system, ie, A-1, A-2, etc.

(c) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. Vehicles which breakdown during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicle back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex E, Signal.

b. Commanding General or his representative will be located at CP-1. Forward CP, Exercise Desert Rock VII and VIII, will open in the observer area at H-60 minutes.

JENSEN
Brig Gen

Annexes: A--Task Organization
B--Operation Overlay
C--Medical
D--Provost Marshal
Appendixes: 1--Traffic Control Plan
E--Signal
Appendixes: 1--AN/GRC-26/9 Net
2--Wire Circuits Forward
3--Wire Circuits Rear
F--Project 50.8 Locations
G--Transportation
Appendixes: 1--Convoy Organization
2--March Table
H--Emergency Evacuation
I--Distribution List

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Desert Rock VII & VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Annex A (Task Organization) to Operation Order 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

HQ, EXERCISE DESERT ROCK VII and VIII

Deputy Exercise Director - - - - - Brig Gen W. A. Jensen
Executive Officer - - - - - Col C. H. Dunning
Control Group Commander - - - - - Lt Col F. W. Townsley
US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon
Co B, 84th Engr Bn (Reinf)
Unit, 8th Field Hosp
293d MP Co (-)
526th Ord Co (HAM) (-1 Plst)
656th QM Petrol Supply Co (-)
Det, 53d QM Subsistence Supply Co
Det, 163d QM Laundry Co
232d Signal Co
Signal Supply Team (KA)
Signal Maintenance Teams (GK and RD)
Signal Pictorial Teams (AB, FC, FH, and FF)
Signal Photo Dosimetry Team
26th TC Bn
Hq & Hq Co
2d TC Truck Co (Pet)
38th TC Co (Hv)
351st TC Co (Med)
TC Provisional Aircraft Maint Det

DESERT ROCK PROJECTS

Project 50.3, Evaluation Medium Range Detonation and Cloud Tracking System
Project 50.8, Troop Test of Atomic Burst Equipment

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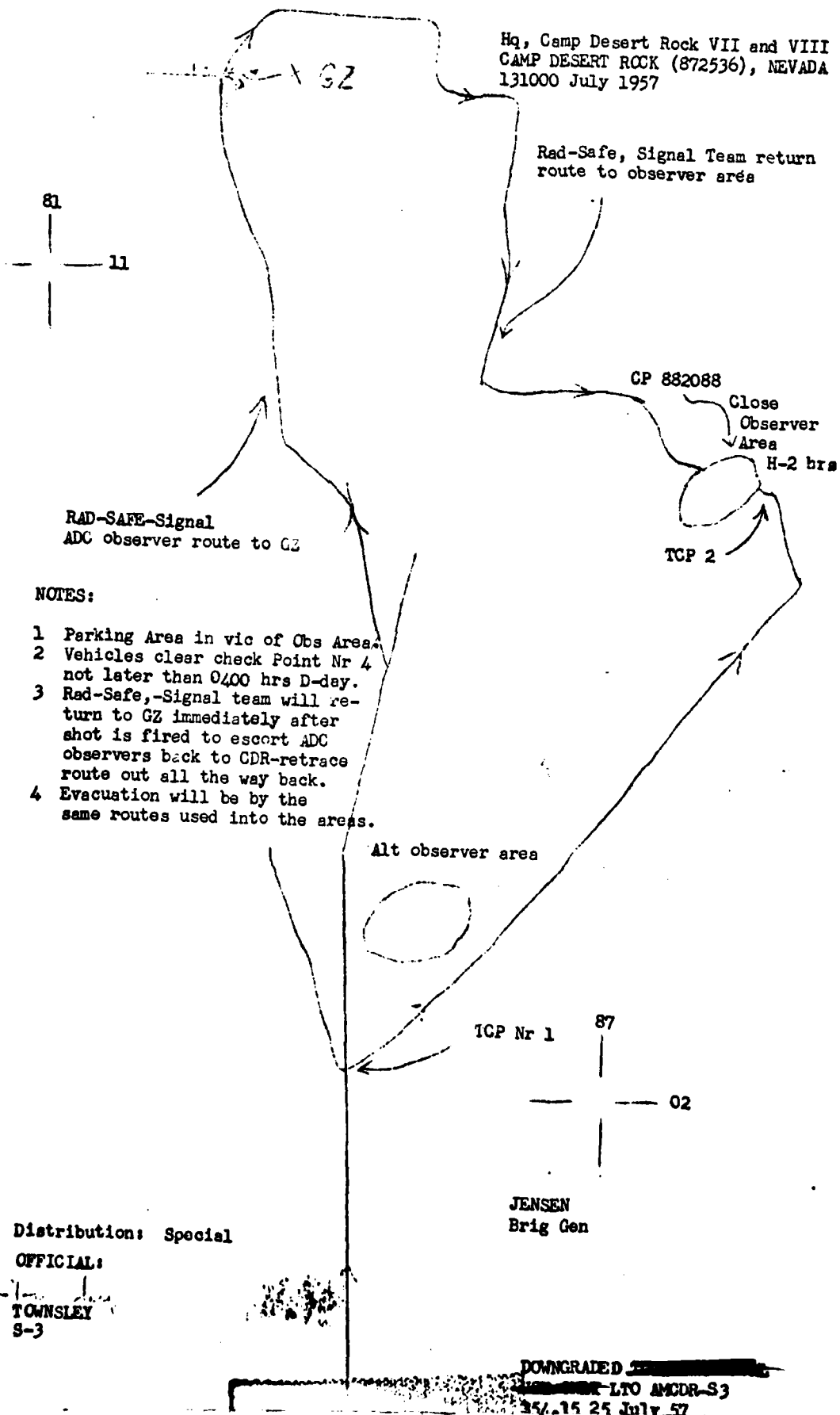
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Annex B (Opn Overlay) to CPH 0 11



Hq, Exercise Desert Rock VII and VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Annex C (Medical) to Opn O 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Opn O 11

2. MISSION.--To provide field medical support and evacuation of CAMP DESERT ROCK personnel, observers, and project personnel.

3. EXECUTION.--a. One (1) ambulance, equipped with radio, will be included in the march unit during the movement to the observer area. Ambulance will be parked near CP.

b. One (1) medical officer and one (1) aidman will be present at the CP in observer area.

c. Evacuation of casualties will be by the most direct and accessible route to the dispensary at CAMP DESERT ROCK.

d. Reserve medical team, with two ambulances, will be on call in the Camp Desert Rock area.

e. Air evacuation from the Camp Desert Rock air strip to the Nellis Air Force Base Hospital will be on call.

f. Ambulance will return to CAMP DESERT ROCK with march unit.

4. ADMINISTRATION AND LOGISTICS.

a. Uniform.--Field uniform with Red Cross brassard.

b. Equipment.--(1) First-aid kit to include snake bite kit for each aidman.

(2) Normal equipment and supplies for the aid station.

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Exercise Desert Rock VII and VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Annex D (Provost Marshal) to Operation Order 11

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Omitted.

2. MISSION.--Provost Marshal supports movement of staff and observer group to observer area.

3. EXECUTION.

a. 293d MP Company provides two (2) escort vehicles and one parking detail for movement of staff and observer group to observer area and for return movement to CAMP DESERT ROCK. Staff and observer vehicles will be accorded secondary priority of movement on all roads within the MTS.

b. Escort vehicle #1 will provide TCP at the Y intersection and direct vehicles to the right from Mercury Highway onto unnamed macadam road.

c. Escort vehicle #2 will escort the convoy over the designated route to the observer area.

d. Upon notification, escort vehicle #1 will establish a TCP at the Y intersection and direct vehicles to the left from unnamed macadam road onto Mercury Highway.

e. Parking detail will assist serial commander in parking vehicles of the serial.

f. Coordinating Instructions.

(1) Escort vehicle #1 will close upon the serial's last vehicle and assist TC in parking the serial's vehicles.

(2) Escort vehicle #2 will assist TC in parking vehicles of the serial.

4. ADMINISTRATION AND LOGISTICS.

a. Uniform.--Steel helmets, fatigues, field jacket.

b. Equipment.--Reflectorized sleeves, batons, markers, pistol belts, canteens, first aid packets, etc.

5. COMMAND AND SIGNAL.

a. Guard net AAG-700 will be used to control movement to observer area and return.

b. Radio equipped 1/4-ton trucks will be used as escort vehicles.

c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and remain out of service until five (5) minutes after shot.

d. Control radio call sign for movement will be RATTLESNAKE.

e. All participating Military Policemen will synchronize watches prior to movement to site.

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Hq, Exercise Desert Rock VII & VIII
P DESERT ROCK (872536), NEVADA
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Annex E (Signal) to Operation Order 11

Map: NEVADA, 1:50,000, TIPPIAH SPRING, CAVE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To provide continuous communications for observers and Radiological monitoring before, during, and after the proposed detonation of shot JOHN on D-day at H-hour. Shot JOHN is a high air burst.

2. MISSION.--The 232d Signal Company and attached signal teams will provide all Desert Rock communication services in coordination with DCD Signal personnel, CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY, supported by personnel from the 232d Signal Company.

3. EXECUTION.

a. Radio communications.

(1) Radio silence from H-15 minutes to H+5 minutes.

(2) Radio call signs and frequencies:

(a) Camp Desert Rock, Control Point 1, Observer Location Project 50.8, Project 50.3 and Ground Zero Net--AN/GRC-26. Call sign: Avalanche, Avalanche Alfa, and Avalanche Bravo, Avalanche Charlie, Avalanche Delta, Avalanche Echo, and Avalanche Foxtrot. Frequency: 2312 KC AM. Avalanche station located at observer location will be the net control station. Appendix 1, AN/GRC-26 Net.

(b) Back-up net. AN/GRC-9 if required.

b. Wire communications.--Appendix 2, Wire Circuits.

(1) Line 1.--One wire circuit from Room 223, CP-1, to observer location (coordinates 882085) to be terminated on field telephones (TA 43's) at each end. This direct line is to be used to inform the field commander that all observers at this particular location are "IN PLACE" prior to "COUNT DOWN" time.

(2) Line 2.--One wire circuit from CP-1, picked up at NEWS NOB terminals, to connect into public address system at observer location to monitor "COUNT DOWN" and R-hour announcements.

(3) Line 3.--One wire circuit from radio site at CP-1 to radio site at observer location to be used to get AN/GRC-26's on the air and to serve as a back-up for line 1.

(4) Line 4.--One wire circuit to serve as a spare back up for all.

(5) Line 5.--One short wire circuit from Room 223, CP-1, to radio van just outside CP-1 to provide communications into AN/GRC-26 radio net.

(6) Line 6.--One wire circuit from observer location to Ground zero to be terminated on field telephones (TA-43's) at each end.

4. Rear.--Radar Sites (Project 50.8), Project 50.3, observer area, and Decontamination Station will be connected by wire direct to Desert Rock advance switchboard. These sites may be reached by telephone from CP-1 through the Mercury switchboard and vice versa. Appendix 3, Wire Circuit Rear.

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Appendixes: 1--AN/GRC-26/9 Net
2--Wire Circuits Forward
3--Wire Circuits Rear

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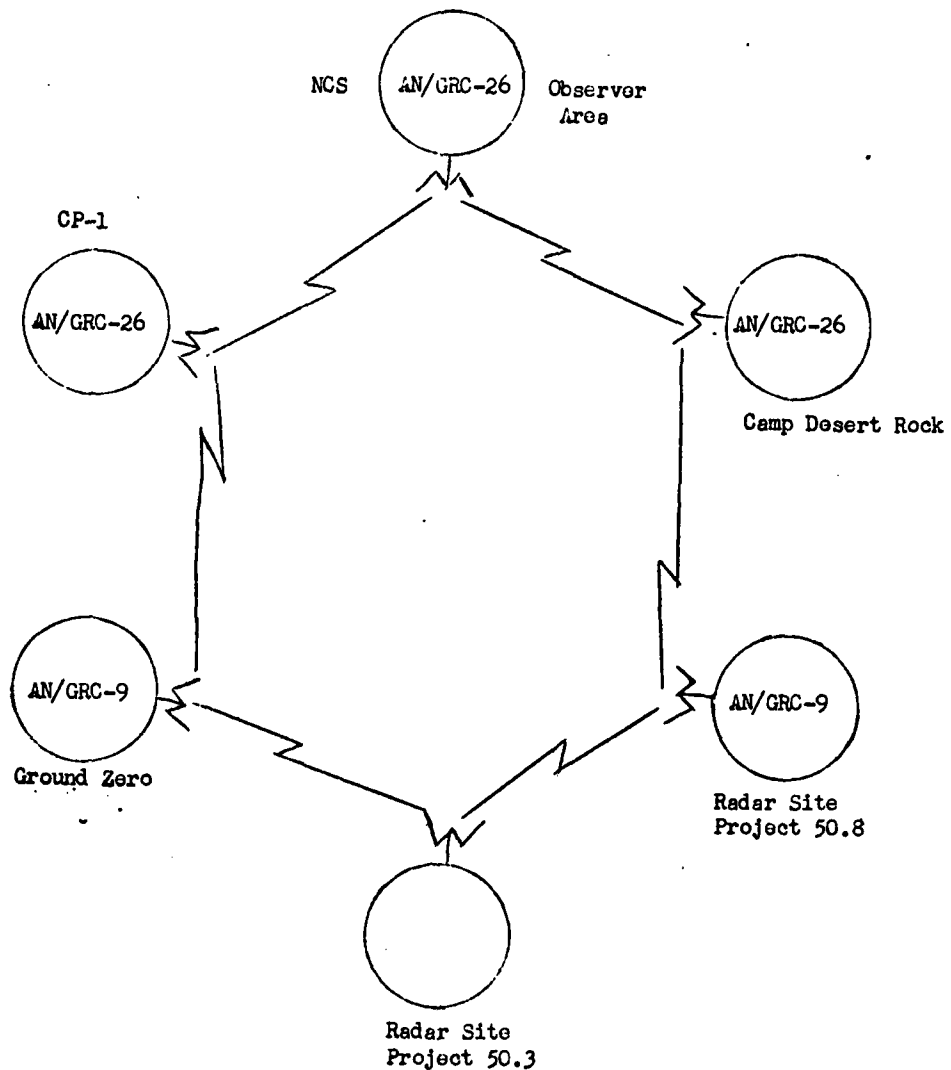
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Hq, Exercise Desert Rock VII & VIII
 CAMP DESERT ROCK (872536), NEVADA
 131000 July 1957

Appendix 1 (AN/GRC-26/9 Net) to Annex E
 (Signal) to Opn 0 11

Map: NEVADA, 1:50,000, TIPPICAH SPRING,
 CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE,
 FRENCHMAN LAKE, and MERCURY Sheets.

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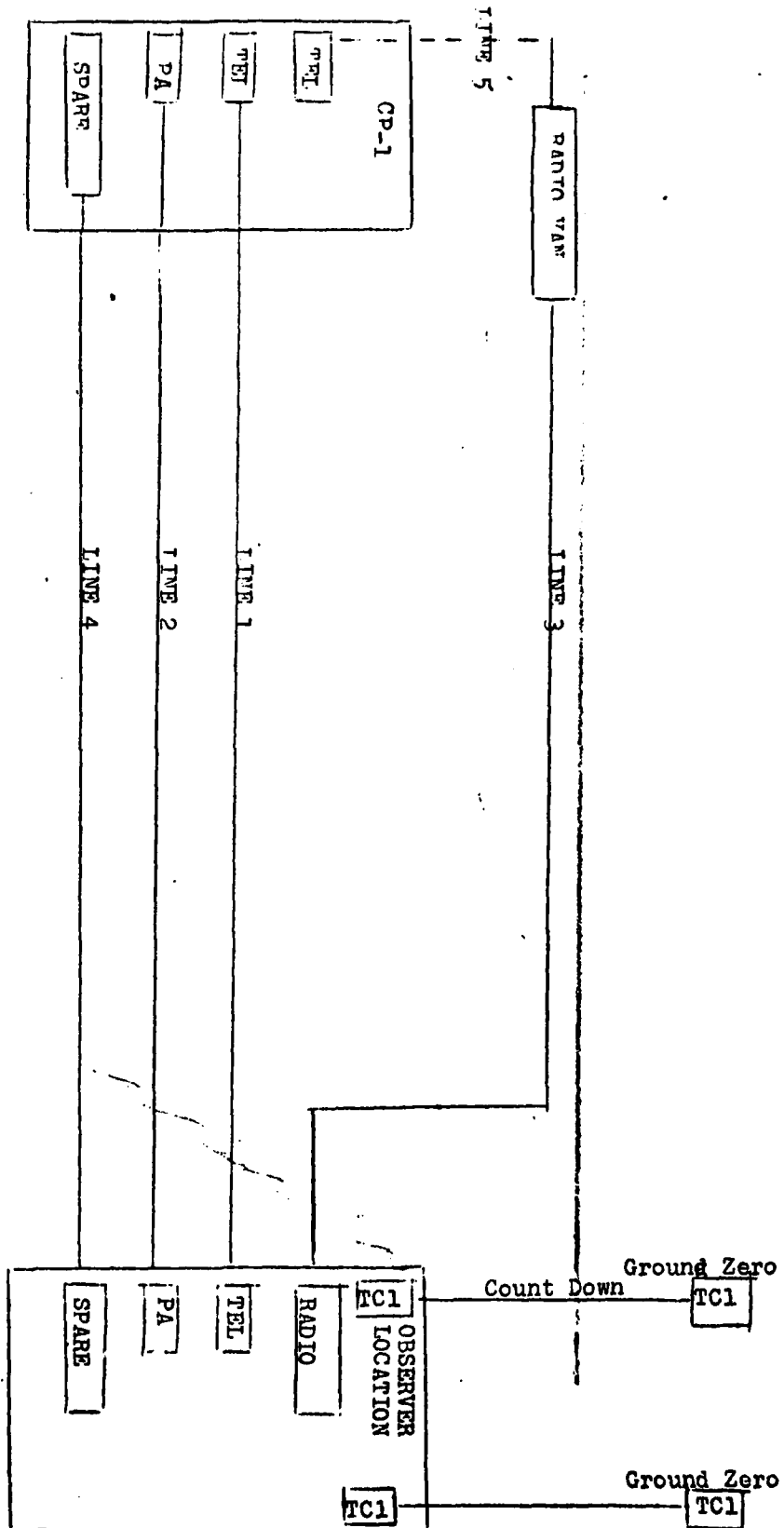
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Appendix 2 (Wire Circuits Forward) to Annex E (Signal) to Opn 0 4
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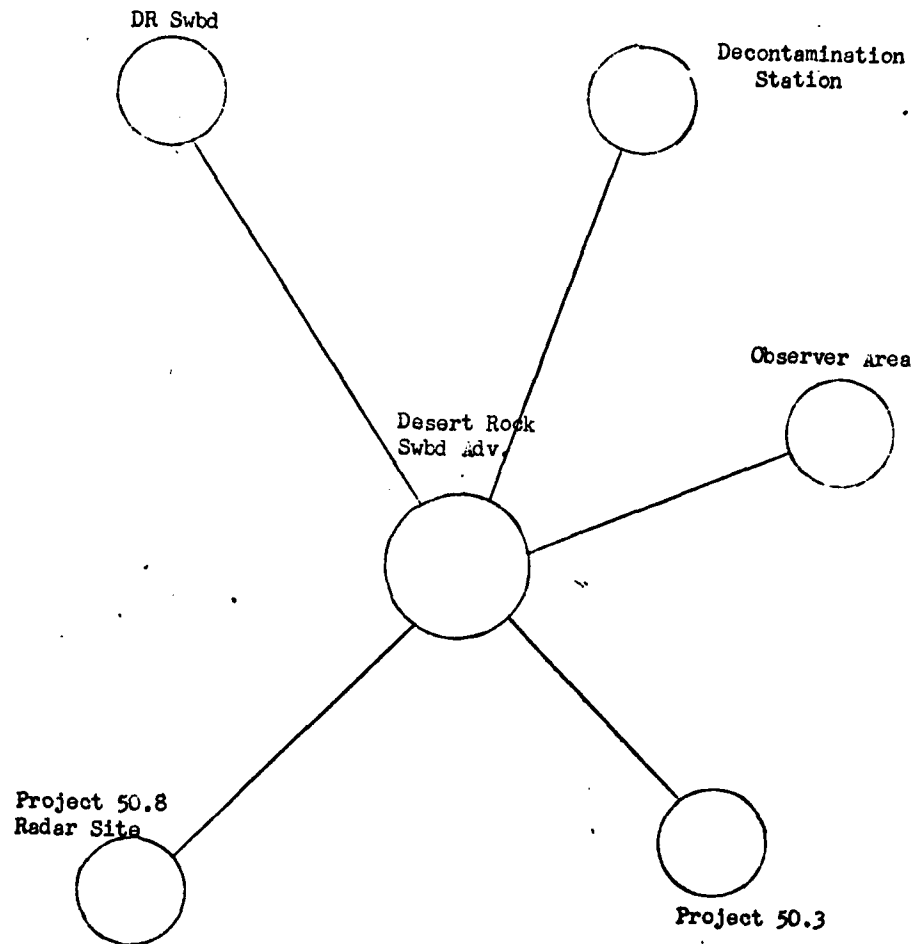
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CAMP DESERT ROCK (372536), NEVADA
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Appendix 3 (Wire Circuit Rear) to Annex E (Signal) to Opn O 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

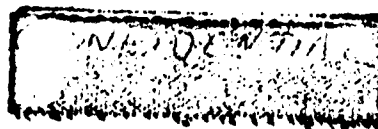


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Hq, Exercise Desert Rock VII and VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Annex G (Transportation) to Operation Order 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. ORGANIZATION.--Motor vehicle convoy will be organized into one (1) march unit under the command of the Motor Officer, CAMP DESERT ROCK. Appendix 1, Convoy Organization.
2. MISSION.--To transport designated personnel from CAMP DESERT ROCK to the observer area in the NEVADA TEST SITE and return by motor vehicle.
3. EXECUTION.
 - a. Movement will be accordance with schedule listed in Appendix 2, March Table. Return movement will be as directed by the Control Group Commander.
 - b. Vehicle parking area will be as indicated in Annex B, Opn Overlay.
 - c. Coordinating instructions.
 - (1) March unit commander will secure approval from the S-3, Exercise Desert Rock VII & VIII, or his representative prior to movement to the forward area.
 - (2) Provost Marshal will provide the necessary route marking and traffic control.

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Appendixes: 1--Convoy Organization
2--March Table

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H. Exercise Desert Rock VII & VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Appendix 1 (Convoy Organization) to Annex G (Transportation) to Opn O 11

VEHICLE ROSTER (JOHN)

March Unit

A-1 - 1/4-ton truck (Cmdr: Lt Delandro)
A-2 - 37-Pass Bus
A-3 - 37-Pass Bus
A-4 - 37-Pass Bus
A-5 - 37-Pass Bus
A-6 - 37-Pass Bus
A-7 - 37-Pass Bus
A-8 - 37-Pass Bus
A-9 - 37-Pass Bus (Empty)
A-10 - Ambulance
A-11 - Wrecker
A-12 - 1/4-ton truck (Trail Officer: Capt Stanard)

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CAMP DESERT ROCK (872536), NEV.DA
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Appendix 2 (March Table) to Annex G (Transportation) to Opn O 11

Map: NEV.DA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE
LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

MARCH TABLE (JOHN)

Rate	Type	TL	Critical Points	ETA	Latest Clearance
20MPH	C	3	IP	0300	0303
20MPH	C	3	Mer Ck Pt #2	0313	0315
35MPH	O	3	Frenchman Flat RJ	0331	0334
35MPH	O	3	CP Ck Pt #4	0353	0356
35MPH	O	3	Y	0406	0409
15MPH	O	3	Parking Area	0427	0430

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Desert Rock VII & VIII
CAMP DESERT ROCK (872536), NEVADA
131000 July 1957

Annex H (Emergency Evacuation Plan) to Operation Order 11

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the NEVADA TEST SITE in case of emergency.
2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.
 - a. Evacuation will be by march unit to the south in the following order:
 - (1) Retrace route into observation area out to MERCURY HIGHWAY then south.
 - (2) AEC Gate Nr 4 (coordinates 845902).
 - (3) Decontamination Station (coordinates 848888).
 - (4) Check Gate Nr 2, Camp Mercury (coordinates 914605).
 - (5) Camp Desert Rock motor pool (coordinates 872537).
 - b. March unit commander will be responsible for the movement of their vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.
 - c. Vehicle escort officers will be responsible for the orderly loading and movement of their groups on order of the march unit commander.
 - d. Following procedure will be observed in the observer area:
 - (1) Provost Marshal will report for orders to the Control Group Commander.
 - (2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle escort officer.
 - (3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.
 - (4) Vehicles will be dispatched from the parking area by the serial commander in march unit order to the entrucking area on order of the Control Group Commander.
 - (5) Control Group will will evacuate the test area on order of the Deputy Exercise Director or his representative when it is assured that all other Desert Rock troops have been evacuated.
 - e. Project personnel will be evacuated by the project officer when ordered to do so by the Control Group Commander.
 - f. Coordinating instructions.
 - (1) Maximum vehicle speed will be 55 MPH.
 - (2) March units will remain intact during all movements.
 - (3) MP vehicles and ambulance will have road priority during evacuation.
 - (4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.

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Emergency E (Evacuation Plan) to CP, Cont'd.

- (5) Code designation to implement this plan is CONDITION THUNDER.
- (6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Red-Safe Officer.
- (7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 30-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.
- (8) Windows in vehicles will be closed when practical.
- (9) Individuals will refrain from eating or smoking during the evacuation.

3. MEDICAL EVACUATION.

- a. Aid station will treat casualties, if any, to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.
- b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.
- c. Route of evacuation for casualties will be the most direct route available.

4. COMMAND.—Forward CP, Exercise Desert Rock VII & VIII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New CP location will be announced prior to movement in each case.

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Hq, Exercise Desert Rock VII & VIII
CAMP DESERT ROCK (872536), NEVADA
1000 July 1957

Annex I (Distribution List) to Operation Order 11

<u>UNITS</u>	<u>COPY NR</u>
CG, US CONARC, Attn: G3	1-4
CG, Sixth US Army, Attn: G3	5-6
CG, Sixth US Army, Attn: PIO	7
Comdr, Fld Comd, AFSWP, Mercury	8-13
CG, Camp Irwin, Attn: G3	14-16
Executive Officer, Camp Desert Rock	17
S-1, Camp Desert Rock	18
S-2, Camp Desert Rock	19
S-3, Camp Desert Rock	20-24
S-4, Camp Desert Rock	25
Hq Comdt, Camp Desert Rock	26
Sig Off, Camp Desert Rock	27
FM, Camp Desert Rock	28
Chemical Off, Camp Desert Rock	29
Engr, Camp Desert Rock	30
PIO, Camp Desert Rock	31
Chief, Instructor Group Section, Camp Desert Rock	32
CO, 26th TC Bn	33
CO, Hosp Unit, 8th Field Hospital	34
CO, 232d Sig Co	35
CO, 50th Chemical Plst	36
Post Aviation Off	37
Project Off, Project 50.3	38
Project Off, Project 50.8	39
Project Off, Project 53.3	40
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Change 1 to
Operation Order 11

3. EXECUTION.

j. (Added) Project 50.8 will dispatch one (1) H-13H helicopter with monitor from CAMP DESERT ROCK at H+1 minute to measure neutron-induced radiation around G2.

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Annex F (Project 50.8 Locations) to Cpn 0 11

Hq Exercise Desert Rock VII and VIII
CAMP DESERT ROCK (872536), NEVADA
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SITE	*COORDINATES	AREA (SQ YDS)	NO of PERSONNEL	NET CALL WORD	FREQ (MC)	TYPE MODE	EQUIPMENT TO BE USED	RADIATION	HRS OPN FROM TO	ANTENNA MODE AT H-HR
F-4	NL758794	15,000	30	EMPRESS 13	35.8	FM	1-AN/MPQ-21 Radar C Band 1-AN/MPQ-21 Radar S Band	Note 2 Note 2	H-1 H/2 H-1 H/2	Fixed Fixed
F-5	NL801936	1,000	18	EMPRESS 11 EMPRESS 12	35.8	FM	2-AN/MPQ-10 Radar	Note 2	H-1 H/2	Fixed
F-6	**PL279202	25	2	ELDORADO 6	30.6	FM	1-AN/GAS-1 IR Detector 1-AN/ASH-4 IR Detector	Passive Passive	H-1 H/1	N/A
F-7	NL897886	100	4	ELDORADO 2	30.6	FM	1-AN/TVS-1 Camera 1-BC Scope, M-65	Passive Passive	H-1 H/1 H/1mln H/1	N/A N/A
F-8	NL868872	100	4	ELDORADO 3	30.6	FM	1-AN/TVS-1 Camera 1-BC Scope, M-65 1-AN/ASH-4 IR Detector	Passive Passive Passive	H-1 H/1 H/1mln H/1 H-1 H/1	N/A N/A N/A
F-9	NL829900	100	4	ELDORADO 4 EMPRESS 31	30.6 45.8	FM FM	1-AN/TVS-1 Camera 1-BC Scope, M-65	Passive Passive	H-1 H/1 H/1mln H/1	N/A N/A
F-10	NL785940	100	4	ELDORADO 5	30.6	FM	1-AN/TVS-1 Camera 1-BC Scope, M-65	Passive Passive	H-1 H/1 H/1mln H/1	N/A N/A
F-11	NL768944	10,000	15	EMPRESS 1	35.8	FM	Btry CP- Fld Kitchen	N/A	H-24 H/40	N/A
F-13	NL898373	10,000	50	HANNIBAL BUCKSAW (air to ground)	4.96 309.6	AM AM	1-M33 Track Radar #2 1-M33 Acq Radar #2 1-AN/TPS-1D Radar #1	Note 2 Note 2 Note 2	H-4 H/6 H-4 H/6 H-4 H/6	Fixed Rotating Rotating

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age 2 of 2 pages

ITE	*COORDINATES	AREA (SQ YDS)	NO OF PERSONNEL	NET CALL WORD	FROM (MC)	TYPE MODE	EQUIPMENT TO BE USED	RADIATION	HRS OPN FROM TO	ANTENNA MODE AT H-HOUR	
-14	NL752048	10,000	90	HANNIBAL 1 HANNIBAL 5	4.96	AM	1-M33 Track Radar #1 1-M33 Acq Radar #1 1-NIKE AJAX TTR 1-NIKE AJAX Acq Radar 1-NIKE AJAX Mtr	Note 2 Note 2 Note 2 Note 2 Note 2	H-4 H-4 H-4 H-4 H-4	H/6 H/6 H/6 H/6 H/6	Fixed Notating Fixed Rotating Fixed
5	**PL185510 (Indian Springs AFB)	2,500	10	HANNIBAL 4	4.96	AM	1-AN/TPS-1D Radar #2	Note 2	H-4	H/6	Rotating
36	NL860915	500	25	EMPRESS 21	35.8	FM	1-AN/ASH-4 IR Detector 5-GR 8 Sound Ranging Sets	Passive Passive	H-1 H-2	H/1 H/1	N/A N/A

* 1 - Nevada Proving Ground - Scale 1:50,000 - unless otherwise specified
 * 1 - Nevada Proving Ground - Scale 1:250,000 - unless otherwise specified
 Note 1 - See Appendix 2 (Radosonde Reg) to Annex A (Operational Site Data) to Opn O 2, Hq, Project 50.8, dtd 19 June 1957
 Note 2 - See Appendix 1 (Radar Reg) to Annex A (Operational Site Data) to Opn O 2, Hq, Project 50.8, dtd 19 June 1957

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